

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091523\
 Data File : VX037759.D
 Acq On : 15 Sep 2023 16:53
 Operator : JC/MD
 Sample : 04390-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW10A-GW-150-152

Quant Time: Sep 16 05:46:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

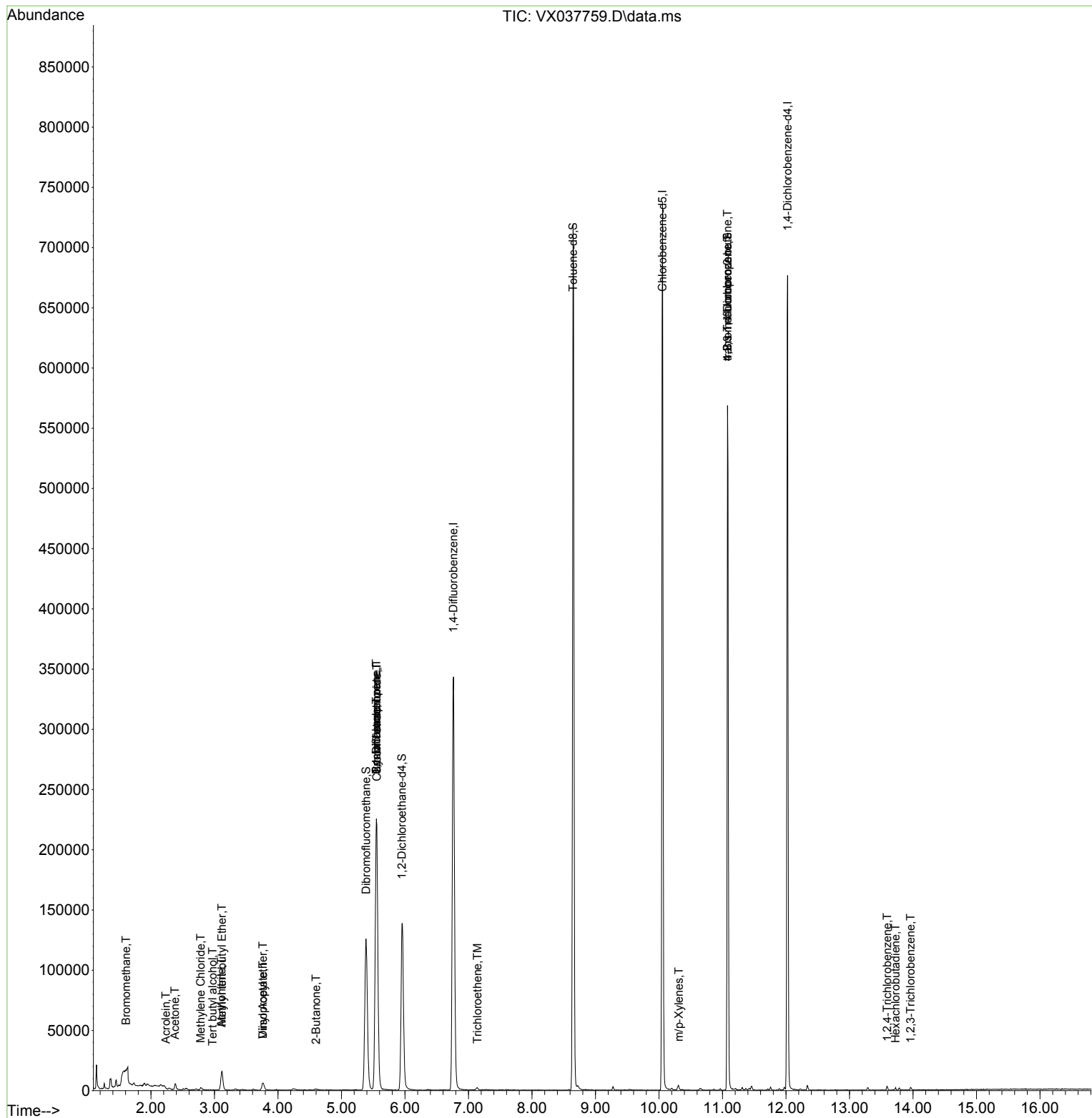
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	218950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	362286	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	330839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	143002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	131827	45.826	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.660%
35) Dibromofluoromethane	5.385	113	110283	45.495	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.980%
50) Toluene-d8	8.647	98	435948	48.401	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.800%
62) 4-Bromofluorobenzene	11.079	95	149072	45.547	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.100%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	810	0.418	ug/l #	38
11) Tert butyl alcohol	2.971	59	199	0.322	ug/l #	78
13) Acrolein	2.233	56	211	0.346	ug/l #	14
15) Acrylonitrile	3.111	53	426	0.310	ug/l #	41
16) Acetone	2.380	43	5466	3.950	ug/l #	86
19) Methyl tert-butyl Ether	3.117	73	17415	2.216	ug/l	92
20) Methylene Chloride	2.782	84	950	0.346	ug/l #	69
22) Diisopropyl ether	3.764	45	6623	0.894	ug/l #	71
23) Vinyl Acetate	3.764	43	3485	0.639	ug/l #	73
25) 2-Butanone	4.599	43	1879	0.962	ug/l #	90
31) Cyclohexane	5.550	56	4662	1.263	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	17185	5.146	ug/l #	46
38) Carbon Tetrachloride	5.556	117	21952	6.283	ug/l #	15
44) Trichloroethene	7.141	130	921	0.322	ug/l	75
68) m/p-Xylenes	10.311	106	1157	0.242	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	76489	23.126	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	76489	74.081	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	1065	0.366	ug/l	97
94) Hexachlorobutadiene	13.725	225	366	0.269	ug/l	84
96) 1,2,3-Trichlorobenzene	13.963	180	763	0.255	ug/l	96

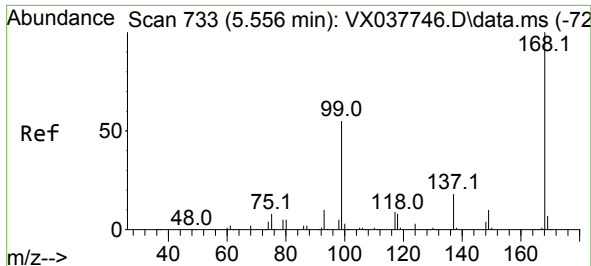
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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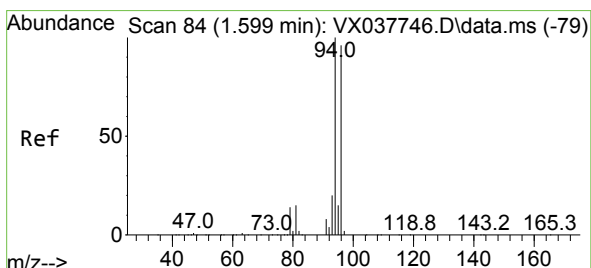
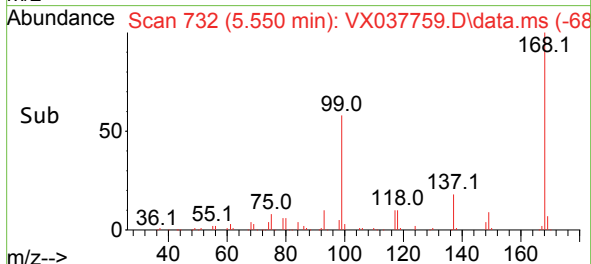
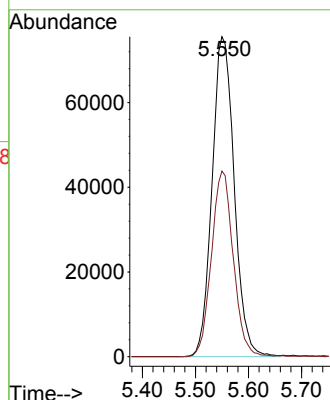
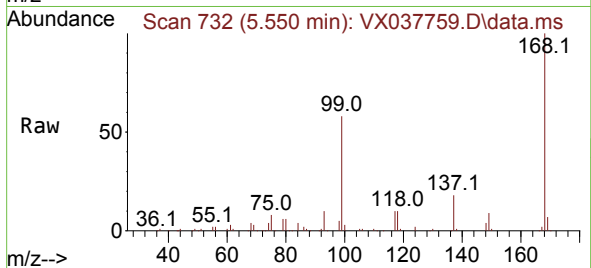




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

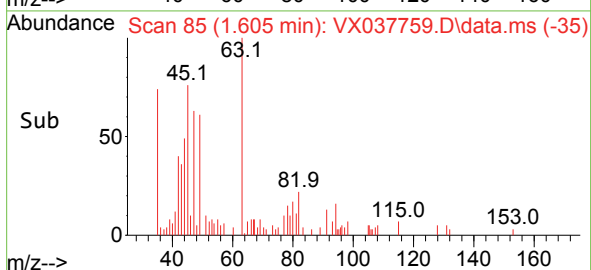
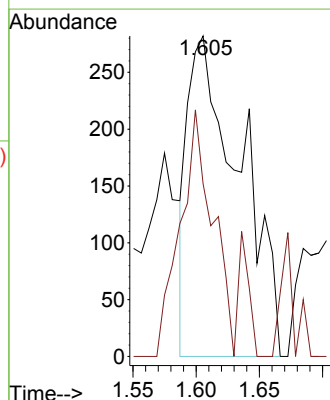
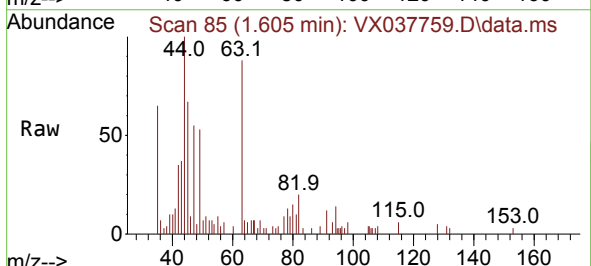
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-GW-150-152

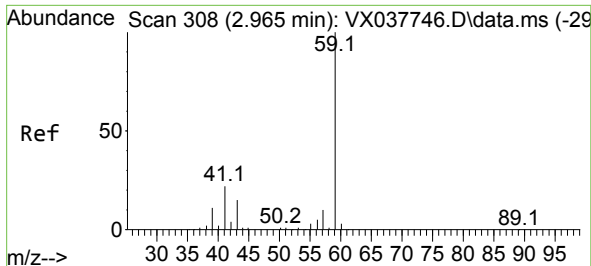
Tgt Ion:168 Resp: 218950
Ion Ratio Lower Upper
168 100
99 58.0 56.6 85.0



#5
Bromomethane
Concen: 0.418 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

Tgt Ion: 94 Resp: 810
Ion Ratio Lower Upper
94 100
96 34.0 74.6 111.8#





#11

Tert butyl alcohol

Concen: 0.322 ug/l

RT: 2.971 min Scan# 308

Delta R.T. 0.006 min

Lab File: VX037759.D

Acq: 15 Sep 2023 16:53

Instrument :

MSVOA_X

ClientSampleId :

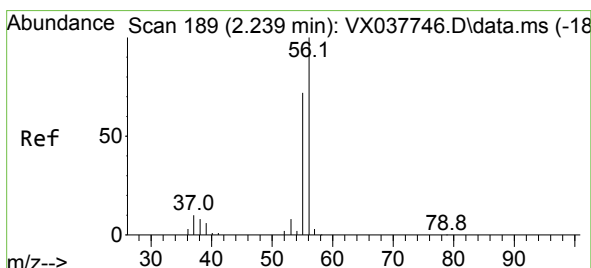
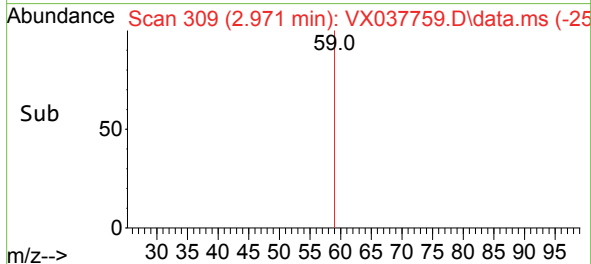
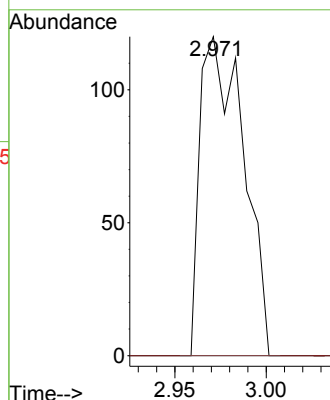
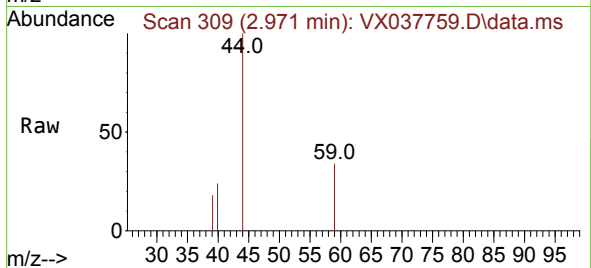
BP-VPB-RW10A-GW-150-152

Tgt Ion: 59 Resp: 199

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.346 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX037759.D

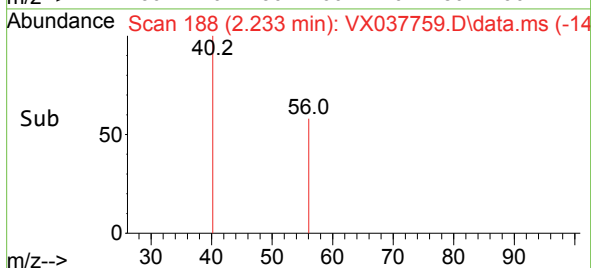
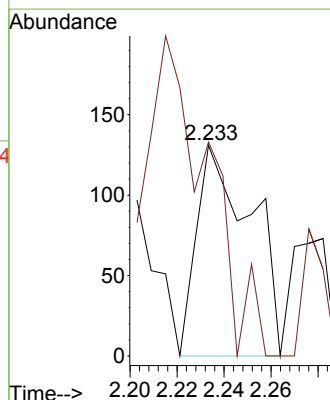
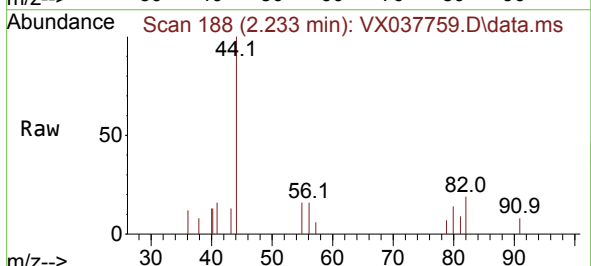
Acq: 15 Sep 2023 16:53

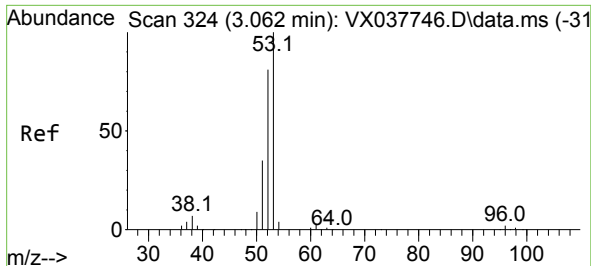
Tgt Ion: 56 Resp: 211

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

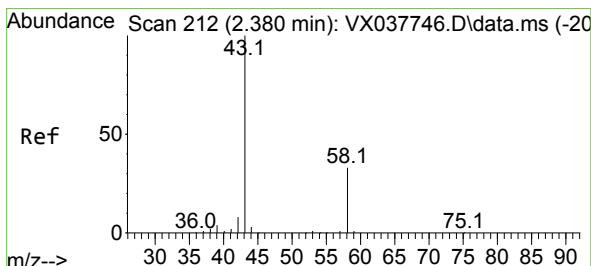
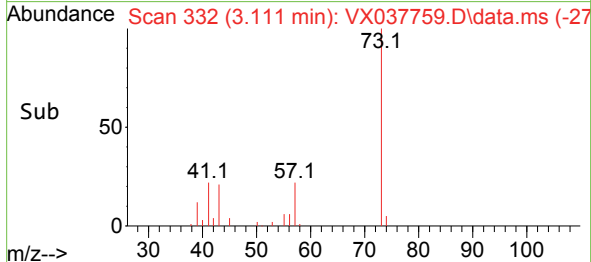
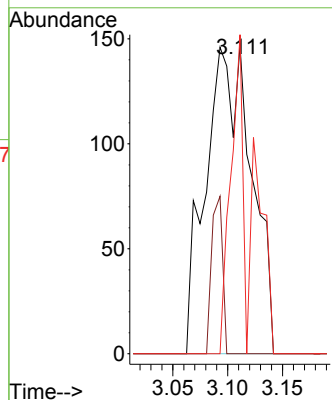
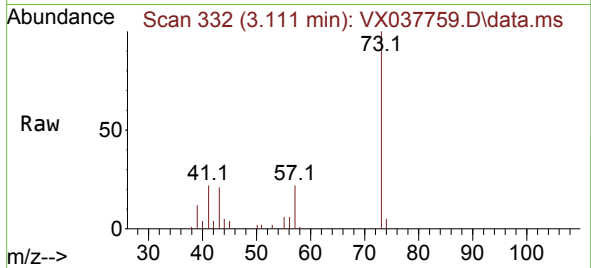




#15
Acrylonitrile
Concen: 0.310 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.043 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

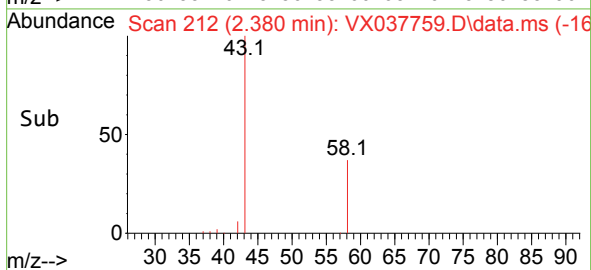
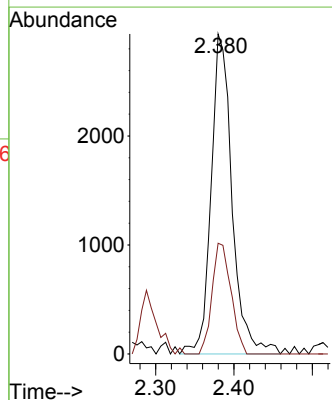
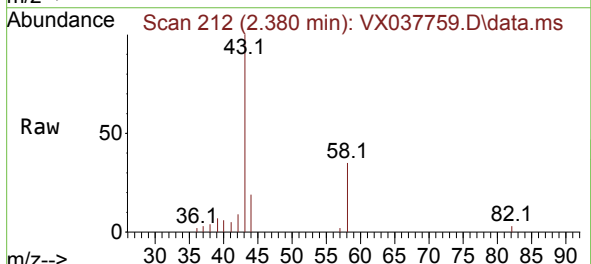
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-GW-150-152

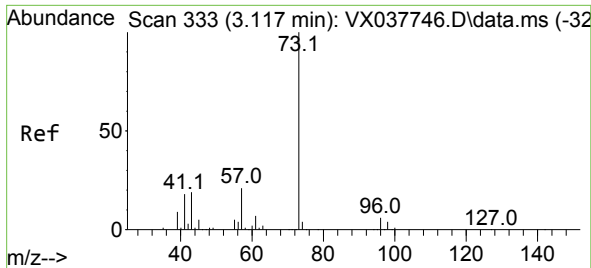
Tgt Ion: 53 Resp: 426
Ion Ratio Lower Upper
53 100
52 12.2 66.0 99.0#
51 27.0 29.8 44.6#



#16
Acetone
Concen: 3.950 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

Tgt Ion: 43 Resp: 5466
Ion Ratio Lower Upper
43 100
58 34.6 21.9 32.9#

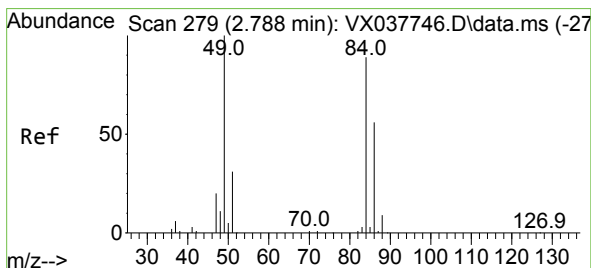
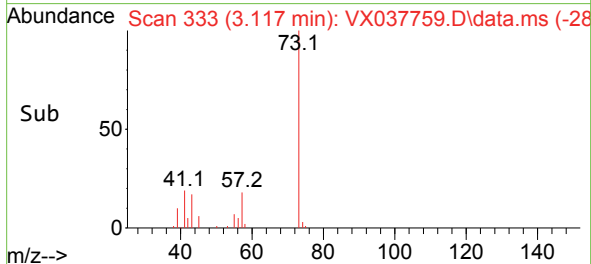
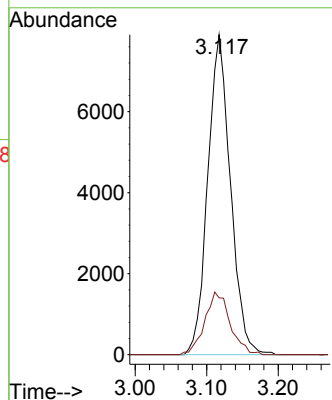
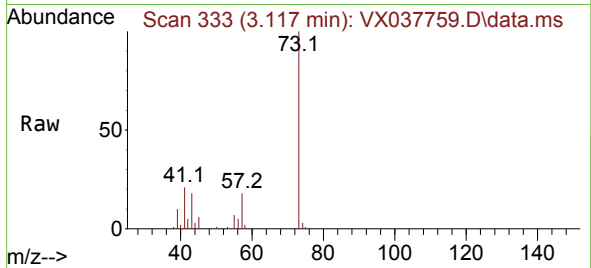




#19
Methyl tert-butyl Ether
Concen: 2.216 ug/l
RT: 3.117 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

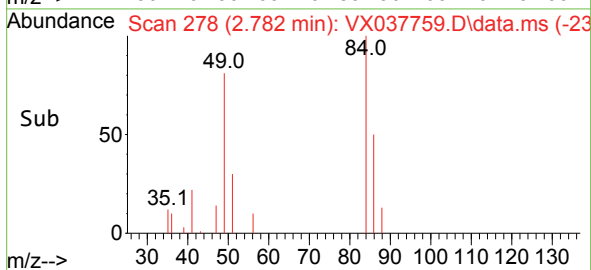
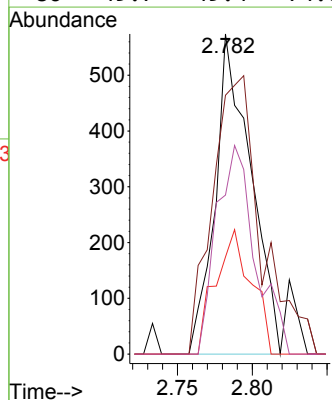
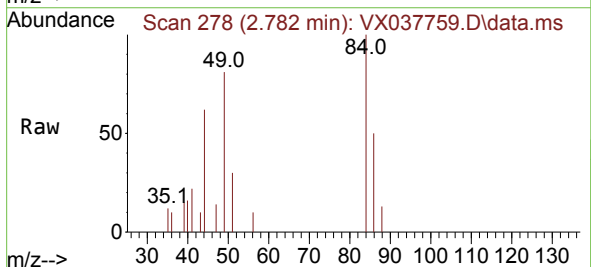
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-GW-150-152

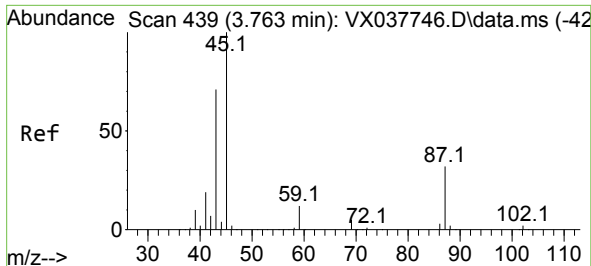
Tgt Ion: 73 Resp: 17415
Ion Ratio Lower Upper
73 100
57 17.8 17.3 25.9



#20
Methylene Chloride
Concen: 0.346 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

Tgt Ion: 84 Resp: 950
Ion Ratio Lower Upper
84 100
49 80.8 103.6 155.4#
51 30.3 33.8 50.6#
86 49.7 49.4 74.0

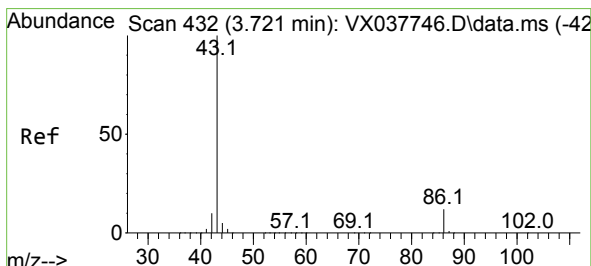
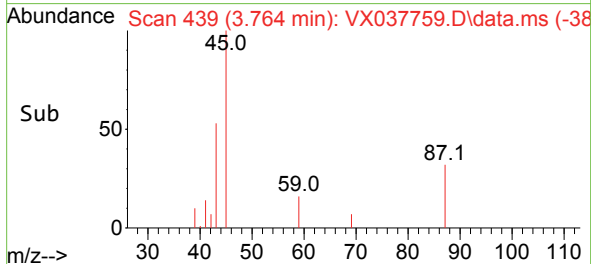
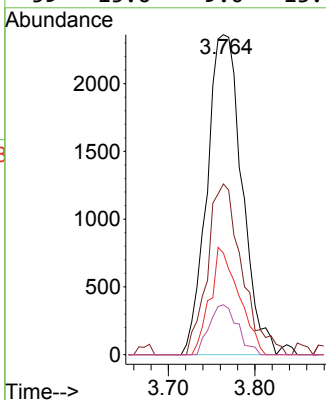
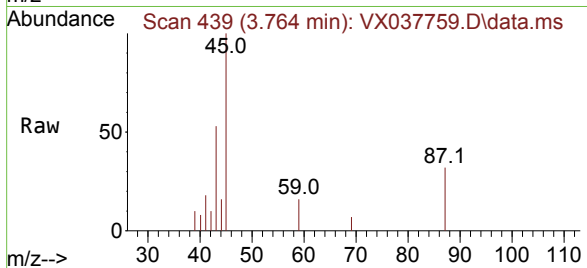




#22
Diisopropyl ether
Concen: 0.894 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

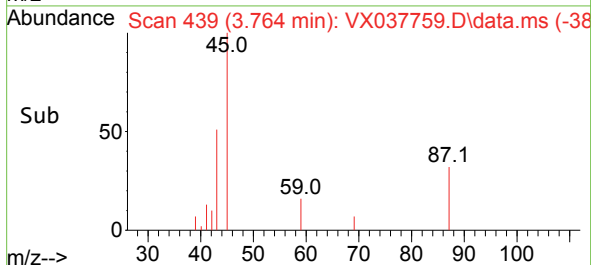
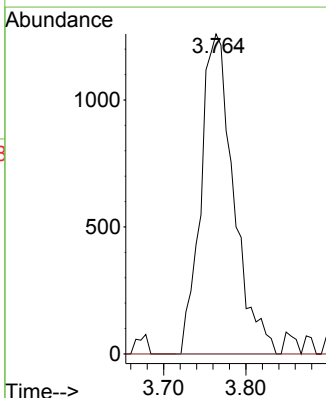
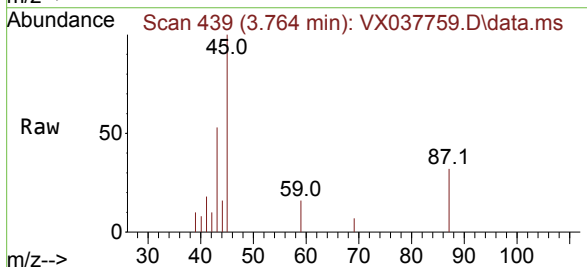
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-GW-150-152

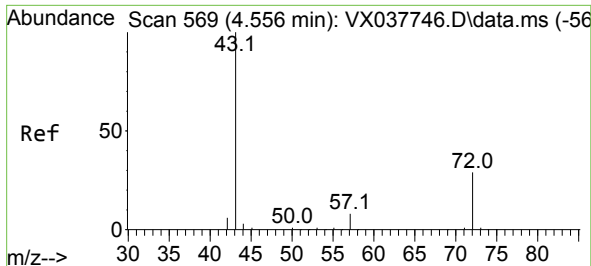
Tgt Ion:	45	Resp:	6623
Ion	Ratio	Lower	Upper
45	100		
43	53.4	69.7	104.5#
87	31.8	20.8	31.2#
59	15.6	9.0	13.4#



#23
Vinyl Acetate
Concen: 0.639 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.037 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

Tgt Ion:	43	Resp:	3485
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.8	11.8#





#25

2-Butanone

Concen: 0.962 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX037759.D

Acq: 15 Sep 2023 16:53

Instrument :

MSVOA_X

ClientSampleId :

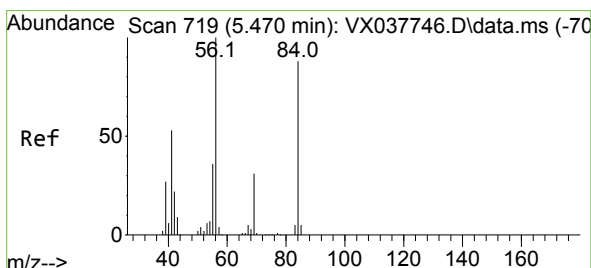
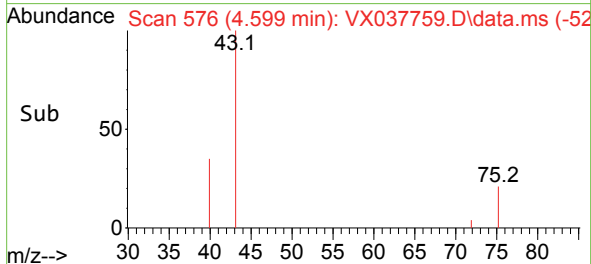
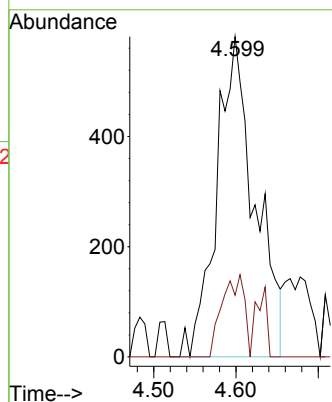
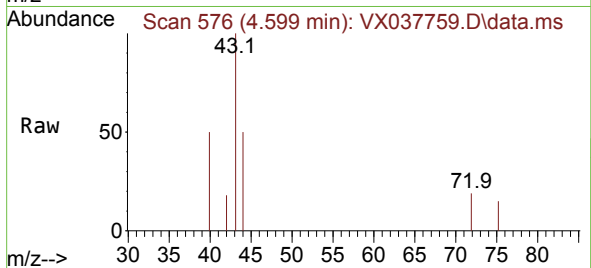
BP-VPB-RW10A-GW-150-152

Tgt Ion: 43 Resp: 1879

Ion Ratio Lower Upper

43 100

72 19.3 19.4 29.2#



#31

Cyclohexane

Concen: 1.263 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037759.D

Acq: 15 Sep 2023 16:53

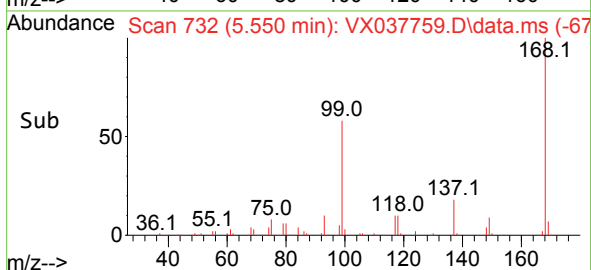
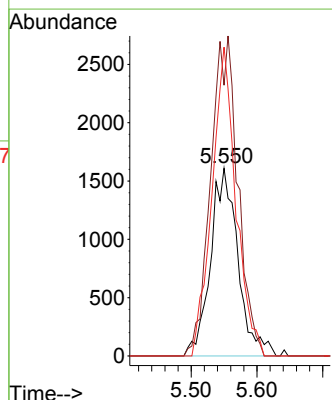
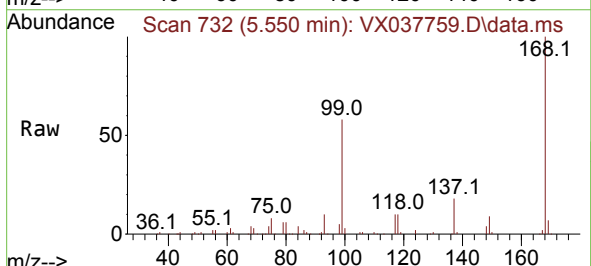
Tgt Ion: 56 Resp: 4662

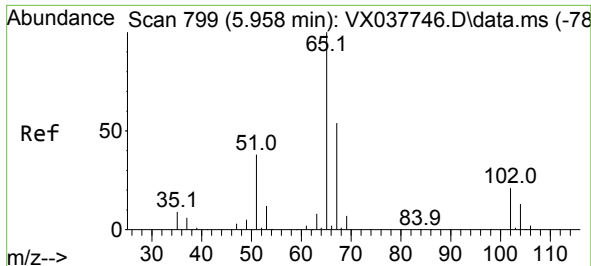
Ion Ratio Lower Upper

56 100

69 144.2 23.4 35.2#

84 164.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.826 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037759.D

Acq: 15 Sep 2023 16:53

Instrument :

MSVOA_X

ClientSampleId :

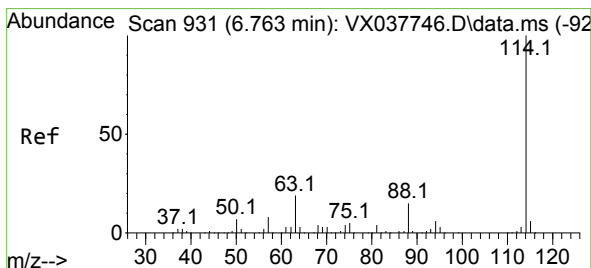
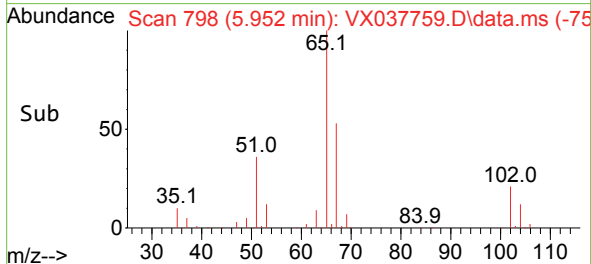
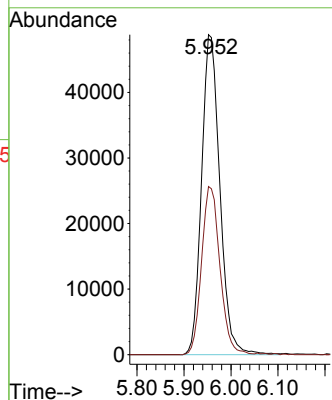
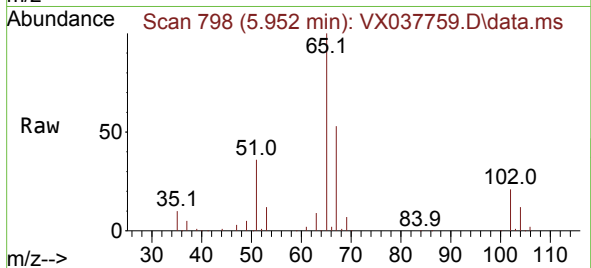
BP-VPB-RW10A-GW-150-152

Tgt Ion: 65 Resp: 131827

Ion Ratio Lower Upper

65 100

67 52.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX037759.D

Acq: 15 Sep 2023 16:53

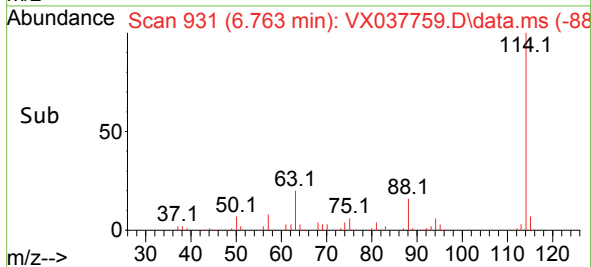
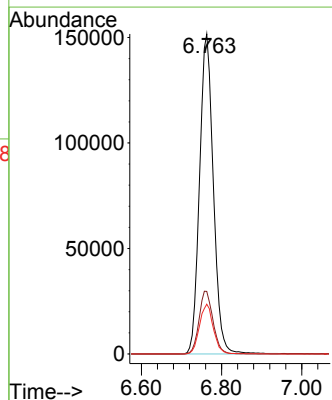
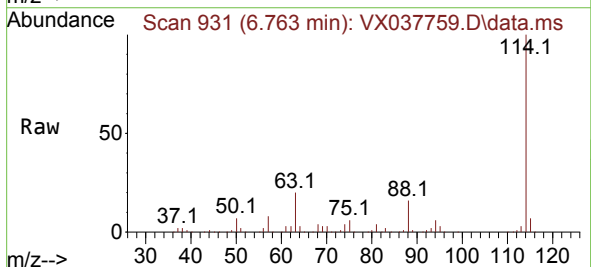
Tgt Ion: 114 Resp: 362286

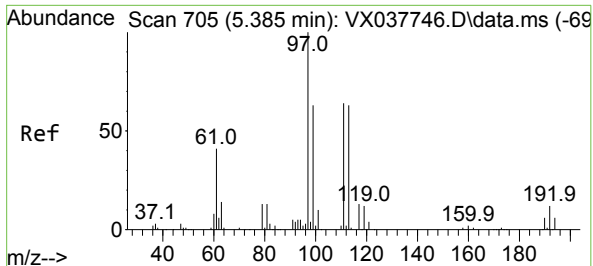
Ion Ratio Lower Upper

114 100

63 19.5 0.0 45.0

88 15.5 0.0 36.6

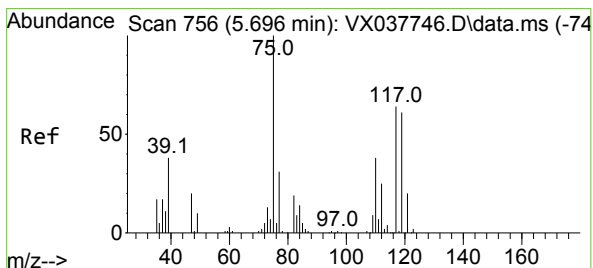
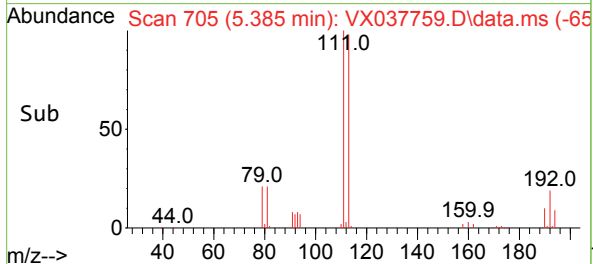
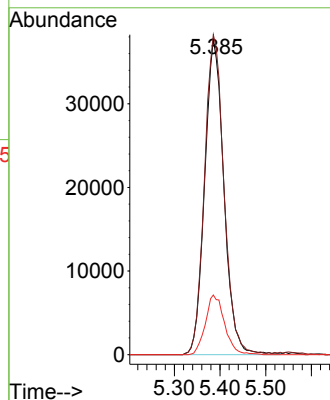
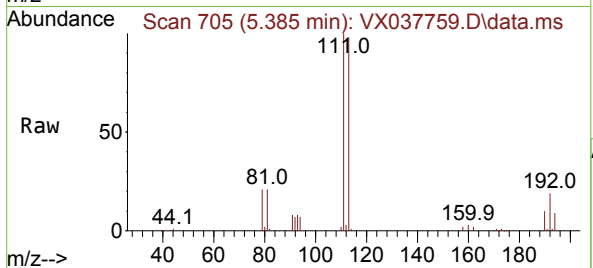




#35
Dibromofluoromethane
Concen: 45.495 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

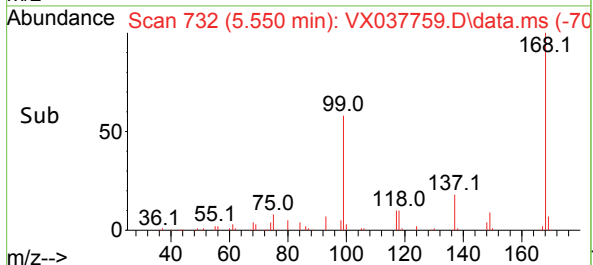
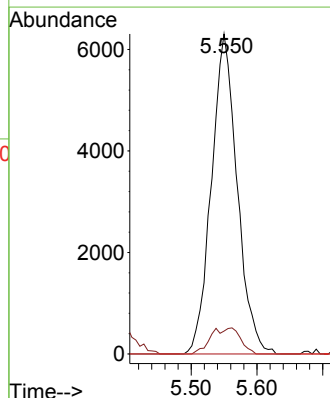
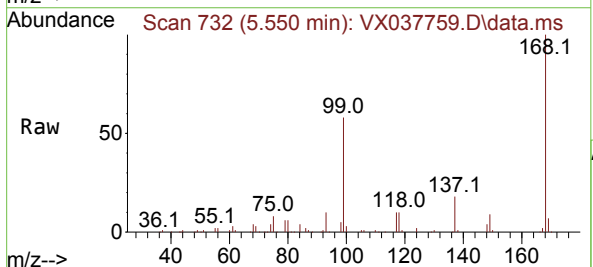
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-GW-150-152

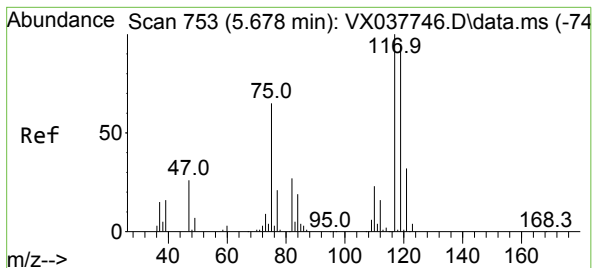
Tgt Ion:113 Resp: 110283
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 18.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.146 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

Tgt Ion: 75 Resp: 17185
Ion Ratio Lower Upper
75 100
110 3.9 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.283 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.122 min

Lab File: VX037759.D

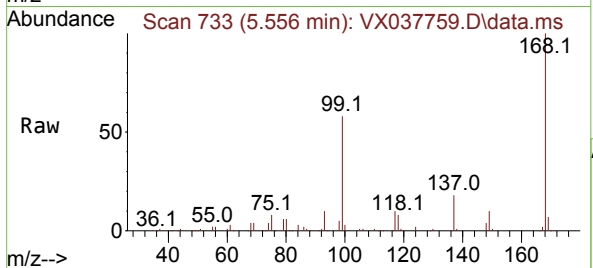
Acq: 15 Sep 2023 16:53

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW10A-GW-150-152



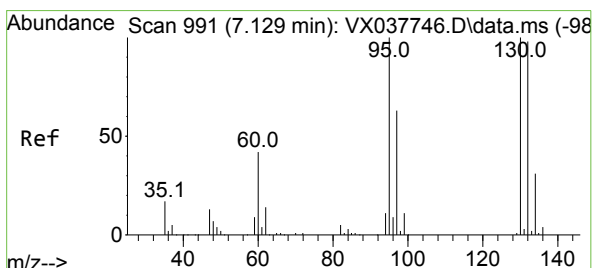
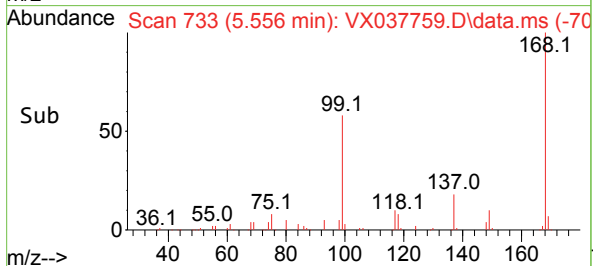
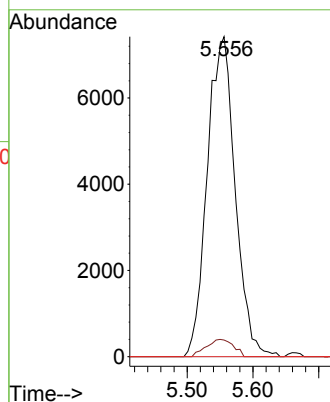
Tgt Ion:117 Resp: 21952

Ion Ratio Lower Upper

117 100

119 5.2 78.2 117.2#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 0.322 ug/l

RT: 7.141 min Scan# 993

Delta R.T. 0.006 min

Lab File: VX037759.D

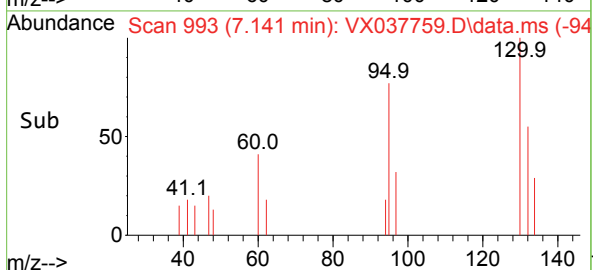
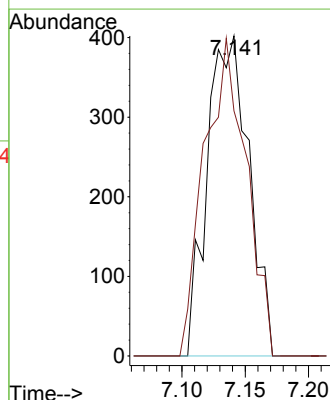
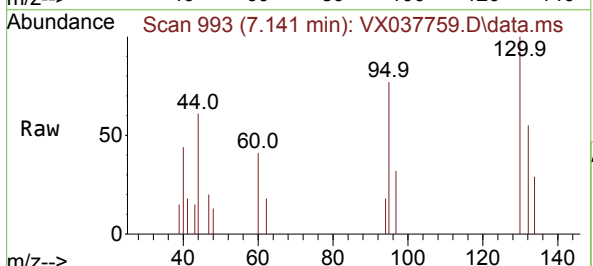
Acq: 15 Sep 2023 16:53

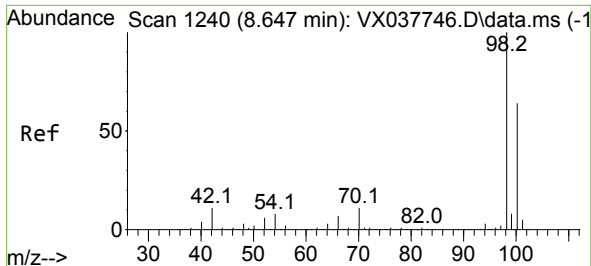
Tgt Ion:130 Resp: 921

Ion Ratio Lower Upper

130 100

95 76.6 0.0 204.4

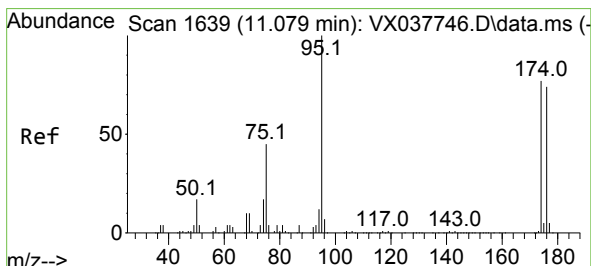
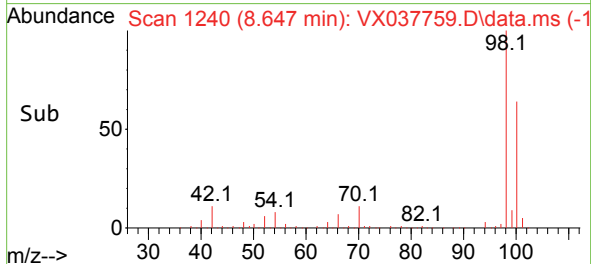
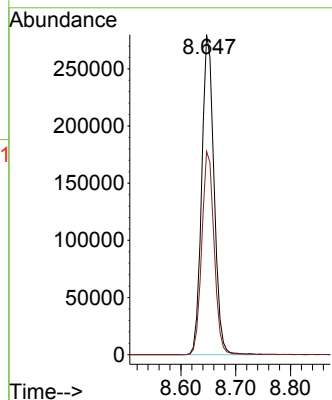
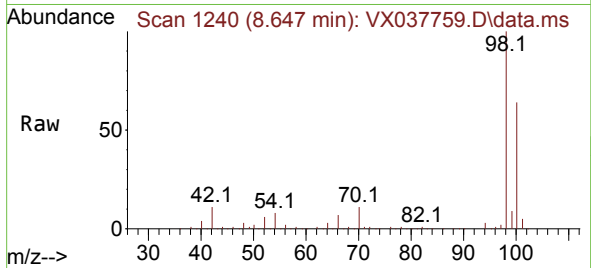




#50
Toluene-d8
Concen: 48.401 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

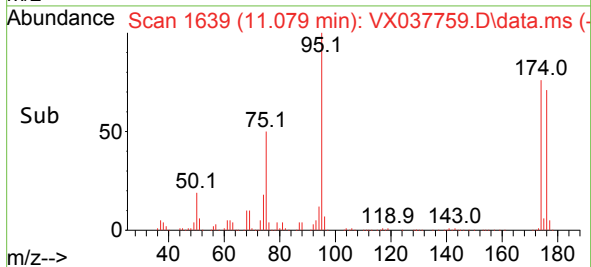
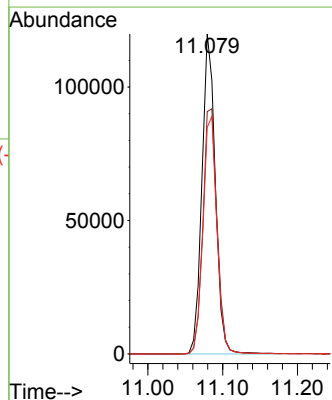
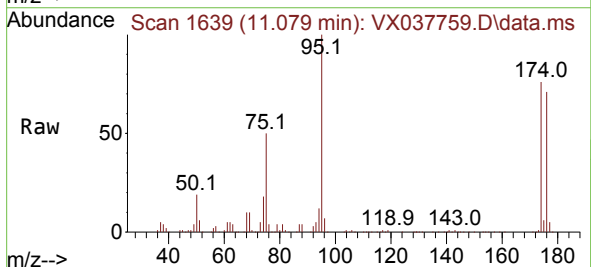
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-GW-150-152

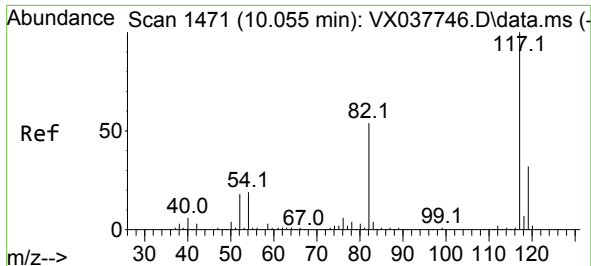
Tgt Ion: 98 Resp: 435948
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 45.547 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

Tgt Ion: 95 Resp: 149072
Ion Ratio Lower Upper
95 100
174 81.5 0.0 135.6
176 77.5 0.0 131.0

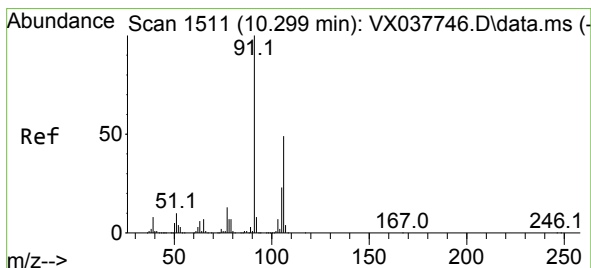
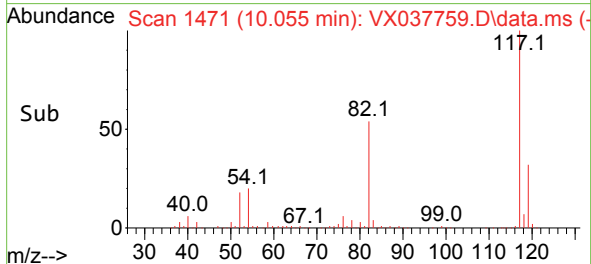
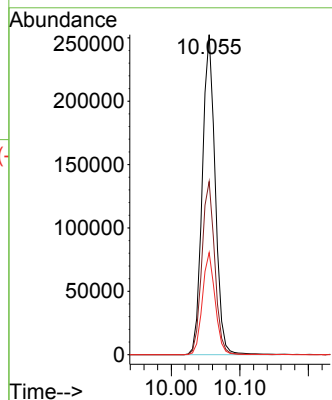
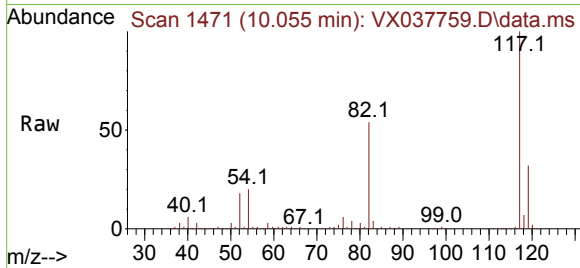




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

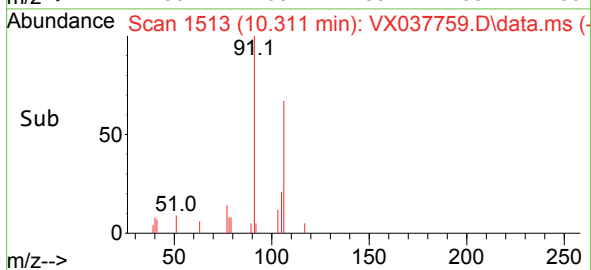
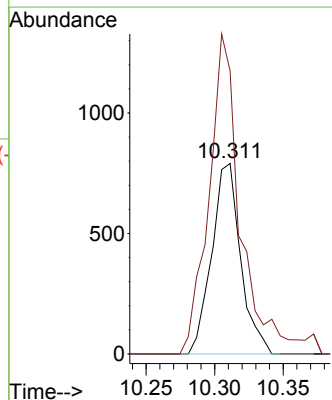
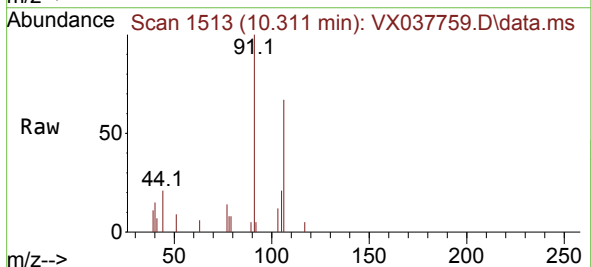
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-GW-150-152

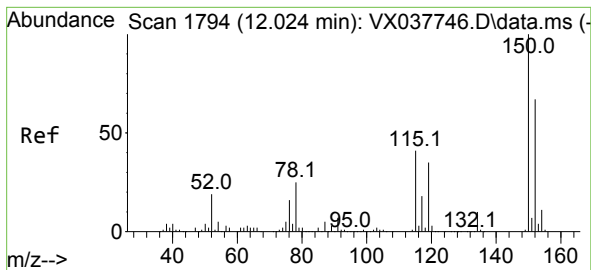
Tgt Ion:117 Resp: 330839
Ion Ratio Lower Upper
117 100
82 54.1 46.2 69.4
119 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 0.242 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

Tgt Ion:106 Resp: 1157
Ion Ratio Lower Upper
106 100
91 186.2 165.5 248.3

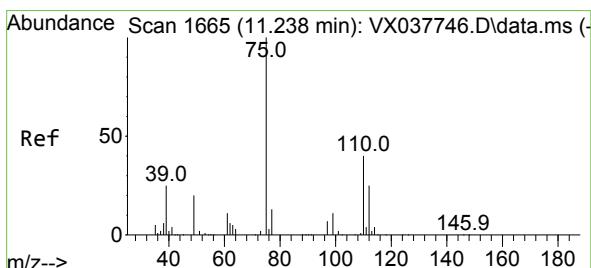
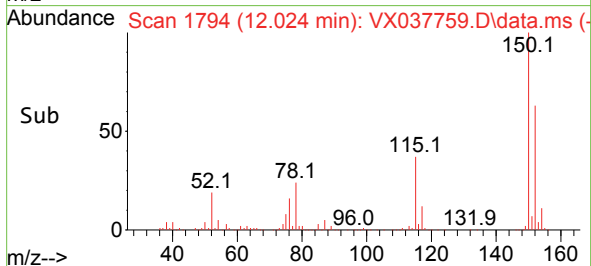
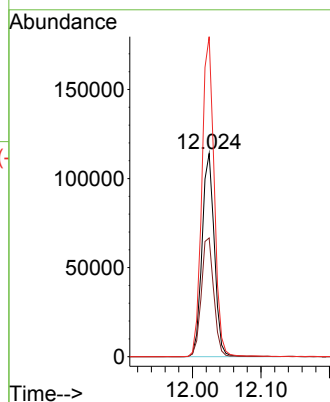
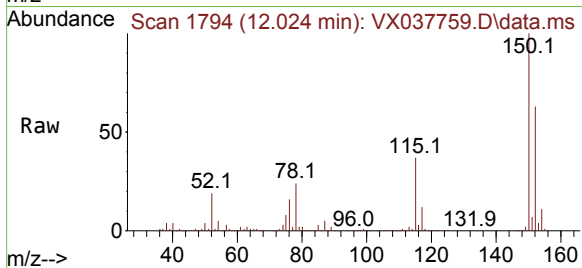




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

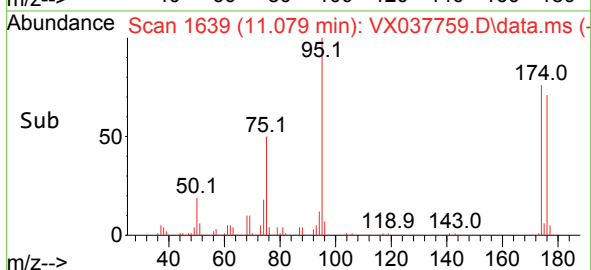
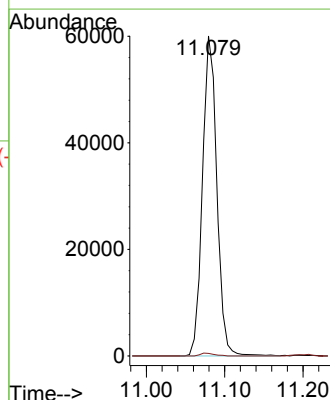
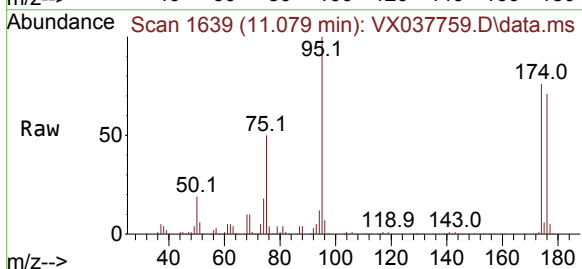
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-GW-150-152

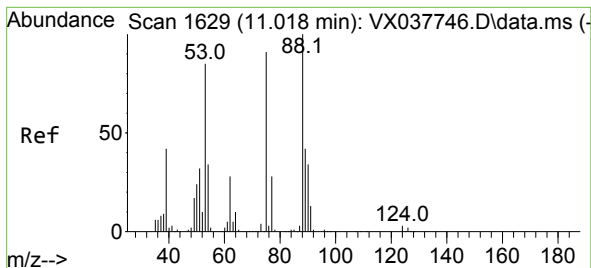
Tgt Ion:152 Resp: 143002
Ion Ratio Lower Upper
152 100
115 59.4 43.3 129.9
150 157.9 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 23.126 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

Tgt Ion: 75 Resp: 76489
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#

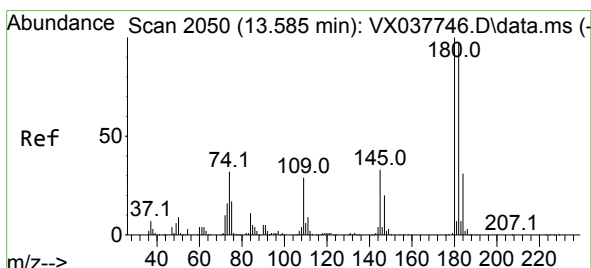
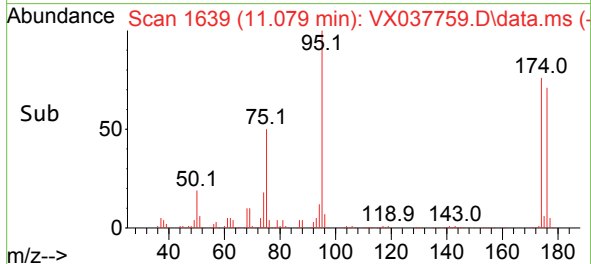
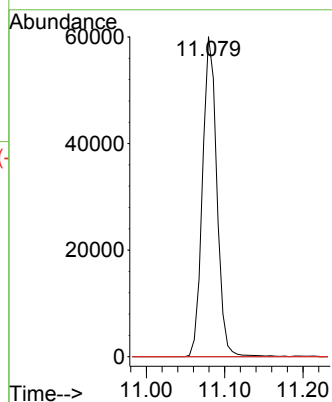
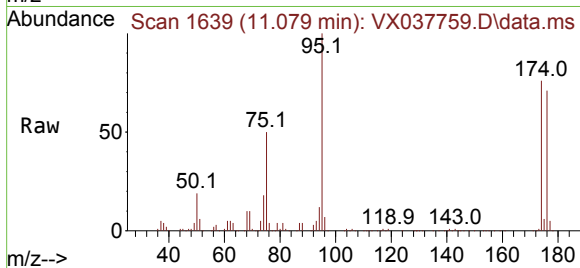




#81
trans-1,4-Dichloro-2-butene
Concen: 74.081 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

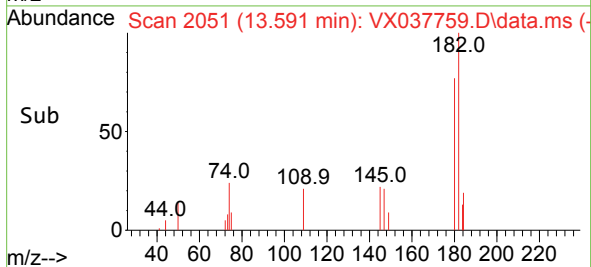
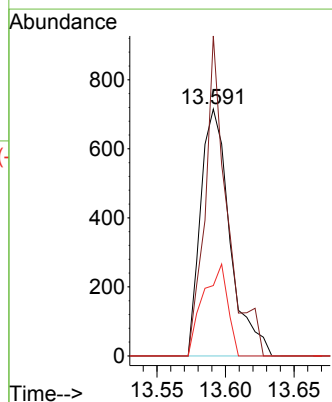
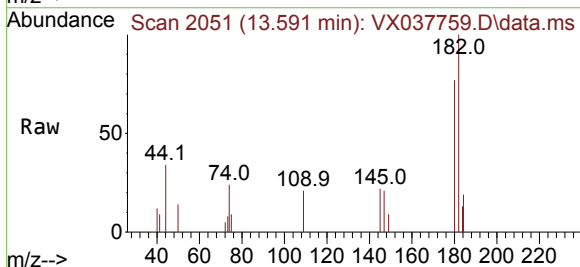
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-GW-150-152

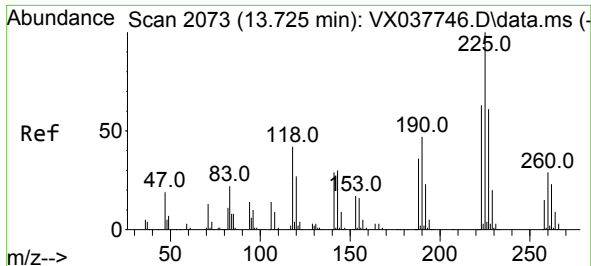
Tgt Ion: 75 Resp: 76489
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.366 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

Tgt Ion:180 Resp: 1065
Ion Ratio Lower Upper
180 100
182 96.8 48.3 144.8
145 31.0 18.0 54.0

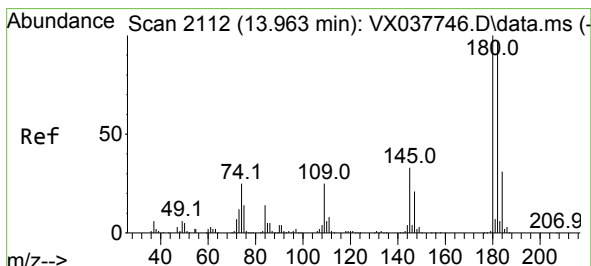
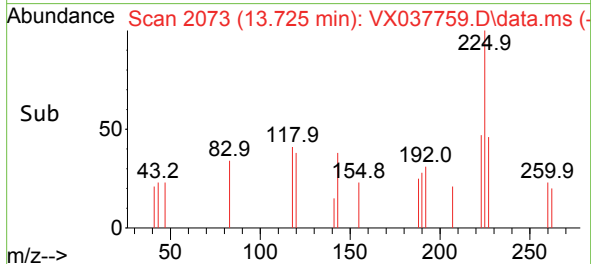
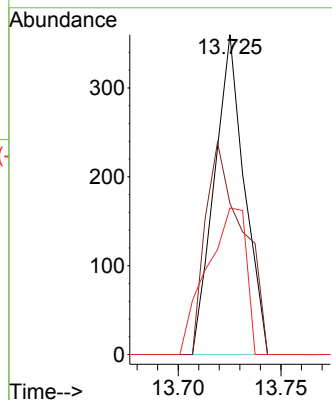
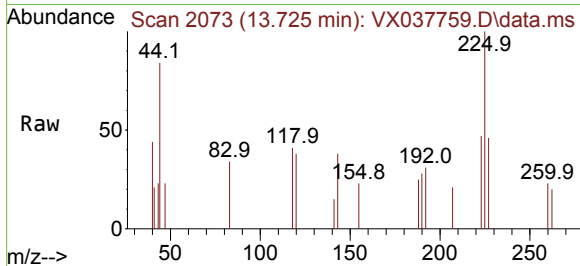




#94
Hexachlorobutadiene
Concen: 0.269 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-GW-150-152

Tgt Ion:225	Resp:	366
Ion Ratio	Lower	Upper
225	100	
223	82.2	31.1 93.2
227	60.1	32.5 97.5



#96
1,2,3-Trichlorobenzene
Concen: 0.255 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX037759.D
Acq: 15 Sep 2023 16:53

Tgt Ion:180	Resp:	763
Ion Ratio	Lower	Upper
180	100	
182	98.2	46.9 140.6
145	34.7	17.8 53.5

